



Barre Sportsman's Club, Inc.

P.O. Box 111
221 Spring Hill Road
Barre, MA 01005

Clubhouse (978) 355-4643

Contact: barresportsmansclub@gmail.com

President: Rob Deschenes
Vice President: Carl Silkey
Treasurer: Janet Pierce
Secretary: Warren (Jack) Farnham
Bar Manager: Glenn Carter

www.barresportsmansclub.org

Board of Directors

Barry Peddle
Edward Pollack
Ron Rich Jr.
Herm Eck
Steve Di Silvestro
Norm Gemme

April 2017 'WCLSC Sportsmen's News' Submission, Barre Sportsmen's Club

Membership

The Club welcomed Patrick Waugh of North Brookfield and Charles Laperle Jr. of Rochdale to the Club Membership.

REMINDER: 2017 Annual Dues can be paid early BUT are due NO LATER than April 30th

RANGE HOUSEKEEPING

As reported by 2 Club Members ... The firing line was found a mess. Spent shot gun shells were found on the firing line in the Pistol area. Target frames were scattered about and trash barrels were left overfilled. Please; pick up after yourself ... your Mother isn't here to do it for you.

Annual Membership Fee Schedule:

NEW MEMBERSHIP: \$150 (includes a one-time initiation fee)

REGULAR MEMBERSHIP: \$120

SENIOR (age 65 and older) MEMBERSHIP: \$60

LIFE MEMBERSHIP: \$1000 (nonrefundable)

ACTIVE MILITARY MEMBERSHIP: FREE

JUNIOR MEMBERSHIP: \$5 each

Outdoor Sporting Functions 2017 Season

ALL Sporting Functions to begin the 2017 Season soon. Watch the Newsletter for start-up dates & times.

Up-Coming Club Events

- 1) The Ham Shoot date has been changed from April 23rd to **Sunday, April 9th**. (POC: Janet Pierce)
- 2) The Youth Turkey Hunt is scheduled for Saturday, April 22 from 8AM to noon. Volunteer cooks will be needed. (POC: Rick French)
- 3) The Club sponsored academic scholarship award was approved in the amount of \$300. No recipient has been named as yet. The Scholarship Committee will be considering applicant soon.
- 4) The Capital Projects Committee will meet at 7PM before the next Club meeting, April 6th. There are several projects that need prioritizing.
- 5) Any Member that is interested in becoming a BSC Representative to the Worcester County League of Sportsman's Club (WCLSC) please see one of the Club Officers.

Range Guidelines for Law Enforcement Agencies

Procedural changes have been drafted for Law Enforcement Agencies use of our Range. This has evolved as a result of inadequate Range housekeeping. It is hoped that this mandate will result in a cleaner Range for all to enjoy.

A Form will be provided to the Requestor representing the Law Enforcement Agency. This form is to be completed by the Firearms Instructor or Chief of Police and handed or mailed to the Club Secretary as follows;

Warren (Jack) Farnham
842 Daniel Shays Highway
New Salem, MA 0135

The Reloading Corner

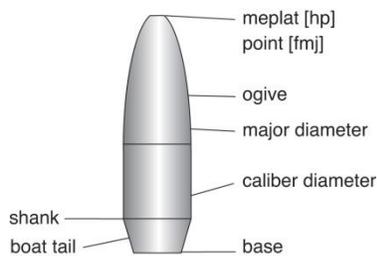
BULLET BASICS

This is a specially-adapted excerpt from the forthcoming book, "Top Grade Ammo," by author Glen Zediker, owner of Zediker Publishing.

by Glen Zediker

A cartridge is a system, a sum of its parts. There's not really any one part that matters most, but the bullet matters much. The material below will offer an outline to identify influential aspects of bullet engineering and execution.

There are bullets engineered to perform variously on target, including the proximity of impacts on target. I say it that way because a "match" bullet's job is to perforate a piece of paper. A bullet designed for varmint hunting, on the other hand, is designed to produce explosive impact, and one for larger-game hunting strives to strike a balance between expansion and penetration. All bullets have to meet their target to be effective, and different premiums often also result in a few trade-offs. Specialty hunting projectiles, for instance, don't usually out-and-out group as well as those engineered for target shooting.



Here are the parts of a bullet. Each element is influential not only in downrange performance, but also in how tolerant or flexible the bullet will be in different rifle chamber and cartridge architectures.



Here's a good example of the differences in bullets. These are both 75 grains. The one on the left is engineered to be fired from a magazine-length round; the other is engineered to provide better performance over long distance, and it should not be fired at magazine-length. Look at the ogives closely and see the curve difference.



This gives an idea of bearing area. The point that contacts the lands is the first point of “major diameter,” and from there back down the body is what will be in contact with the barrel. Longer area means more tolerant behavior, but lower potential velocity.



Secant, left; tangent, right. Tangent ogives are more tolerant of jump, but not quite as slick on down the pike.



How well a bullet performs when fired from a box magazine depends a lot on its shape. For best success, stick with a tangent profile that's no more than 8-caliber ogive.



It gets radical with .224 caliber, more so than any other the author knows about. Left is a Hornady 35-grain V-Max; right is a JLK 90-grain VLD. The latter has a 20-caliber ogive. It needs to be on the lands to shoot, the author says.

However, no matter how a bullet is constructed inside, essential elements of any bullet design are universal. I'm talking about the outside of a bullet.

Here are the parts: base (that's the bottom); boat-tail, or not (flat-base); shank, portion of full-caliber diameter; ogive, the sloping "nosecone"; tip, either open or closed (open it's called the "meplat"). The shape of the ogive and the first point of "major diameter" are very influential elements. The first point of major diameter can vary a from barrel brand to barrel brand because it's the point on the bullet that coincides with land diameter in the barrel. It's the first point that will actually contact the barrel as the bullet moves forward. This right here can be a very important thing to determine. When there's a cartridge sitting in the rifle chamber, the distance to the lands that the bullet has to "jump" to engage is, well, called "jump." It's the gap between dead air and first contact. I pick back up on this next article.

The first point of major diameter and the shank combine to determine the "bearing area." This is how much of the bullet is riding the barrel surfaces.

The two essential forms a bullet can take are "secant" and "tangent." This refers to the profile of the ogive. A tangent is a more rounded, gradual flow toward the tip, while a secant is a more radical step-in, more like a spike.

Ogives are measured in "calibers." That's pretty simple: an 8-caliber ogive describes an arc that's 8 times caliber diameter; a 12-caliber is based on a circle that's 12 times the caliber. The 8 will be a smaller circle than the 12, so, an 8-caliber ogive is more "blunt" or rounded. (So I don't get comments from engineers, there's more to it than this, as it applies on blueprints to different profiles; it's the ratio of its radius to the diameter of the cylinder. But my description is accurate as an overview.)

Now, here's how and why all that matters to bullet selection: Generally, bullets with longer bearing areas are more tolerant of jump and tend to shoot better than those with shorter bearing areas. Shorter bearing areas, though, can allow for higher velocities (less drag in the bore). Bullets with lower-caliber ogives are likewise more tolerant of jump and shoot better. However, higher-caliber ogives fly better, that is, farther. This is an important component in "low-drag" bullet designs. Same thing comparing tangent and secant profiles: the first is easier, the second beats the air better.

When you see terms like "magazine bullet" or "length-tolerant bullet," that is referring to those with tangent profiles and lower-caliber ogives. They are designed to endure jump so, therefore, can be seated to "magazine length"

without much, if any, accuracy loss. If you want to experiment with the longer, “low-drag” or “high-BC” style bullets, you will find they don’t want to group as expected until they get very close to or right on the lands when the round is chambered.

This is the tip of the iceberg. More soon...

Other Club Reminders

- The **Entrance Gate Lock** has changed BUT the code to unlock it remains the same.
- The updated membership cards should be available at the July Club meeting.
- **Crowd Control Manager(s) are required by Mass Law for ALL indoor Club functions.** All members are urged to go online to take this 30 minute course to get certified as a Crowd Control Manager. The Website address is <http://public.eopsselearning.com/> and click on the DFS-Crowd Manager Training.
- When you leave the property; PLEASE close the gate & lock the new combination lock.
- NO ALCOHOL IS ALLOWED TO BE BROUGHT ONTO THE PREMISES AT ANY TIME – this is NOT a club rule but is a STATE LAW due to our liquor license.
- Please ‘POLICE’ the range after use to clean up your cartridges/shells.
- By-Laws are available online.

BARRE SPORTSMAN'S CLUB

2017 EVENT & FUNCTION CALENDAR

NOTE: The dates in italic have NOT been confirmed by the POC

APRIL

1st of month - ANNUAL MEMBERSHIP DUES BECOME PAYABLE

Thursday, 5th - Club Meeting @ 7:30PM

Sunday, 9th – Ham Shoot, 10:00 AM, POC: Janet Pierce

BOD Meeting - TBA

Saturday, 22nd - Youth Turkey Hunt, 8:00-noon, POC's: Rick French & Pepper Cooley

Saturday, 30th - **REMINDER: EARLY DEADLINE FOR MEMBERSHIP RENEWAL**



AVOID LAPSE IN YOUR CURRENT MEMBERSHIP



MAY

Thursday, 4th - Club Meeting @ 7:30PM

BOD Meeting - TBA

Sunday, 21st - Sportsman's Challenge, All Day, POC: John (Fig) Neri

JUNE

Thursday, 1st - Club Meeting @ 7:30PM

BOD Meeting - TBA

JULY

Thursday, 6th - Club Meeting @ 7:30PM

Friday, July 14th Vintagers

BOD Meeting - TBA

AUGUST

Thursday, 4th - Club Meeting @ 7:30PM

BOD Meeting - TBA

SEPTEMBER

Thursday, 1st - Club Meeting @ 7:30PM ... Annual Installation of Club Officers
BOD Meeting - TBA
Saturday, 9th - Fall Club Grounds Spruce-Up
Sunday, 10th - Clambake, 11:00AM, POC: John (Fig) Neri
Saturday, 30th - Massachusetts Youth Deer Hunt , POC: Rick French
Friends of the NRA Banquet (details when they become available)

OCTOBER

Thursday, 5th - Club Meeting @ 7:30PM
BOD Meeting - TBA
Saturday, October 7th - Fall Hunter's Kickoff & Gun Raffle, 6PM, POC's: Rob Deschenes & Meridith Young
Saturday, 28th - Youth Pheasant Hunt, 9:00AM, POC: Chris Duggan

NOVEMBER

Thursday, 2nd - Club Meeting @ 7:30PM
BOD Meeting - TBA
Sunday, 12th - Turkey Shoot, 10:00AM, POC: Janet Pierce

DECEMBER

NO Club Meeting this month, resume in January 2018
NO BOD Meeting this month, resume in January 2018
Sunday, 3rd - Children's Christmas Party, 1:00PM, POC: Dave Fleming

OTHER POCs for Sporting Functions:

Archery – POC: John (Fig) Neri (978) 857-8202 (cell)
Mondays at 6PM (~April to Oct.) [\$20/month covers a steak dinner]

Pistol Shoot – POC: Bert DuVernay (413) 477-6529 (H) and (413) 575-3330 (cell)
3rd Friday at 6pm until time change [no cost]

22LR Shoot – POC: Tony Pitisci (978) 355-4474

200 Yard Rifle – POC: Peter Stalker (978) 928-5223, Mondays at 6pm until dark

Sporting Clays – POC: (looking for volunteer(s) to fill this position)

Trap – POC: Mike Noblini (508) 889-7839 (cell)
Wednesday at 7PM (mid April-November, weather permitting)
Members – \$4/rd. Junior Members – 1 free rd./night then \$3/rd.
12ga. & 20ga. ammo available @ 8/box [no meal]

(CHECK WEBSITE FOR ADDITIONAL INFORMATION)